

OCT 17 2003

BXTW 11015 (DB-6060)  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Hal C. Danby  
Serial No. 10/620,890  
Filed July 16, 2003  
Confirmation No. 8916  
For Dispenser and Pressure/Vacuum Converting Machine

Art Unit 3754

October 16, 2003

TO THE COMMISSIONER FOR PATENTS,

SIR:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. 1.97 and 1.98 and MPEP 609, and in compliance with the duty of disclosure set forth in 37 C.F.R. 1.56, applicants submit copies of the references listed on the attached PTO/SB/08A for consideration by the Patent and Trademark Office in the above-entitled application and to be made of record therein. In accordance with the Patent Office's waiver of the requirement of 37 C.F.R. 1.98(a)(2)(i), copies of the U. S. references are not included herewith.

Respectfully submitted,



Kurt F. James, Reg. No. 33,716  
SENNIGER, POWERS, LEAVITT & ROEDEL  
One Metropolitan Square, 16th Floor  
St. Louis, Missouri 63102  
(314) 231-5400

KFJ/NCW/tmg

Express Mail Label No. EL 998651997 US

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
Application Number				10/620,890
Filing Date				July 16, 2003
Confirmation Number				8916
First Named Inventor				Hal C. Danby
Group Art Unit				3754
Examiner Name				Unknown
Sheet	1	of	9	Attorney Docket No.
				BXTW 11015

## U.S. PATENT DOCUMENTS

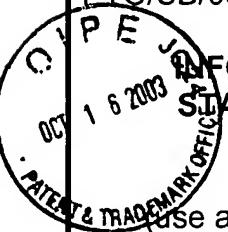
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
	1	Re. 33,943		H. L. Hopkins	12-17-1861
	2	2,791,324		H. D. Knoop et al.	05-07-1957
	3	2,872,081		F. E. Randall	02-03-1959
	4	3,007,416		W. S. Childs	11-07-1961
	5	3,257,072		M. M. Reynolds	06-21-1966
	6	3,343,719		J. L. Kastamo et al.	09-26-1967
	7	3,656,873		Peter Schiff	04-18-1972
	8	3,677,444		Edward W. Merrill	08-18-1972
	9	3,790,029		Wallace W. Ward	02-05-1974
	10	3,808,772		Alfons Turtschan	05-07-1974
	11	3,814,547		Sotiris Kitrilakis et al.	06-04-1974
	12	3,878,992		John MacManus	04-22-1975
	13	4,025,739		Leo Kull	05-24-1977
	14	4,047,844		Thomas C. Robinson	09-13-1977

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**Complete if Known**

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number	10/620,890
Filing Date	July 16, 2003
Confirmation Number	8916
First Named Inventor	Hal C. Danby
Group Art Unit	3754
Examiner Name	Unknown

Sheet **2** of **9** Attorney Docket No. **BXTW 11015**

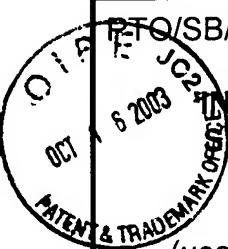
15	4,174,872	Herman S. Fessler	11-20-1979
16	4,237,881	Myron A. Beigler et al.	12-09-1980
17	4,334,640	Garardus J. J. van Overbruggen et al.	06-15-1982
18	4,348,280	Richard W. George et al.	09-07-1982
19	4,389,436	Milton L. Weiner	06-21-1983
20	4,421,506	Hal C. Danby et al.	12-20-1983
21	4,477,054	Hal C. Danby et al.	10-16-1984
22	4,479,761	Arnold C. Bilstad et al.	10-30-1984
23	4,482,299	David S. Eulass	11-13-1984
24	4,513,885	Lawrence R. Hogan	04-30-1985
25	4,515,589	Jon W. Austin et al.	05-07-1985
26	4,537,387	Hal C. Danby et al.	08-27-1985
27	4,548,023	Hal C. Danby et al.	10-22-1985
28	4,552,512	William Gallup et al.	11-12-1985
29	4,618,399	Yao T. Li	10-21-1986
30	4,624,663	Hal C. Danby et al.	11-25-1986
31	4,686,125	William D. Johnston et al.	08-11-1987
32	4,708,266	Arthur G. Rudick	11-24-1987

Examiner Signature		Date Considered
--------------------	--	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.  
 Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08A

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/620,890
Filing Date	July 16, 2003
Confirmation Number	8916
First Named Inventor	Hal C. Danby
Group Art Unit	3754
Examiner Name	Unknown

Sheet	3	of	9	Attorney Docket No.	BXTW 11015
-------	---	----	---	---------------------	------------

33	4,717,047	Garardus J. J. van Overbruggen et al.	01-05-1988
34	4,718,778	Tooru Ichikawa	01-12-1988
35	4,741,461	Wayne A. Williamson et al.	05-03-1988
36	4,753,370	Arthur G. Rudick	06-28-1988
37	4,765,512	Glen C. Bull, Jr.	08-23-1988
38	4,768,547	Hal C. Danby et al.	09-06-1988
39	4,778,451	Dean L. Kamen	10-18-1988
40	4,808,161	Dean L. Kamen	02-28-1989
41	4,808,346	Marshall C. Strenger	02-28-1989
42	4,816,019	Dean L. Kamen	03-28-1989
43	4,826,482	Dean L. Kamen	05-02-1989
44	4,857,055	Paul Y. Wang	08-15-1989
45	4,860,923	Jonathan Kirschner et al.	08-29-1989
46	4,898,303	Danny E. Large et al.	02-06-1990
47	4,918,907	Kevin V. Roach et al.	04-24-1990
48	4,976,162	Dean L. Kamen	12-11-1990
49	4,983,102	Danny C. Swain	01-08-1991
50	4,997,661	Horst Kromer et al.	03-05-1991

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

OCT 15 2003

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

<b>Complete if Known</b>			
Application Number		10/620,890	
Filing Date		July 16, 2003	
Confirmation Number		8916	
First Named Inventor		Hal C. Danby	
Group Art Unit		3754	
Examiner Name		Unknown	
Sheet	4	of	9
		Attorney Docket No.	
		BXTW 11015	

	51	5,000,351		Arthur G. Rudick	03-19-1991
	52	5,002,471		Gena Perlov	03-26-1991
	53	5,033,651		Roger C. Whigham et al.	07-23-1991
	54	5,080,652		Gregory E. Sancoff et al.	01-14-1992
	55	5,082,143		William L. Schramm, Jr.	01-21-1992
	56	5,090,963		Joseph Gross et al.	02-25-1992
	57	5,105,983		Gregory E. Sancoff et al.	04-21-1992
	58	5,135,485		Louis Cohen et al.	08-04-1992
	59	5,151,019		Hal C. Danby et al.	09-29-1992
	60	5,193,990		Dean L. Kamen et al.	03-16-1993
	61	5,199,852		Hal C. Danby	04-06-1993
	62	5,242,083		William C. Christine et al.	09-07-1993
	63	5,249,706		John Szabo	10-05-1993
	64	5,265,518		Robert J. Reese et al.	11-30-1993
	65	5,284,481		Emil H. Soika et al.	02-08-1994
	66	5,302,088		Michael L. Gronski et al.	04-12-1994
	67	5,306,257		Brian D. Zdeb	04-26-1994
	68	5,341,957		Sean S. Sizemore	08-30-1994

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

				<b>Complete if Known</b>	
				Application Number	10/620,890
				Filing Date	July 16, 2003
				Confirmation Number	8916
				First Named Inventor	Hal C. Danby
				Group Art Unit	3754
				Examiner Name	Unknown
Sheet	5	of	9	Attorney Docket No.	BXTW 11015

	69	5,356,039		William C. Christine et al.	10-18-1994
	70	5,369,999		Yutaka Yoshida	12-06-1994
	71	5,465,619		John T. Sotack et al.	11-14-1995
	72	5,507,415		Sean S. Sizemore	04-16-1996
	73	5,584,811		Stephen O. Ross et al.	12-17-1996
	74	5,588,816		Martyn Abbott et al.	12-31-1996
	75	5,593,290		Danny L. Greisch et al.	01-14-1997
	76	5,613,835		Leslie M. Tyner	03-25-1997
	77	5,620,420		Marshall S. Kriesel	04-15-1997
	78	5,649,910		Marshall S. Kriesel et al.	07-22-1997
	79	5,656,032		Marshall S. Kriesel et al.	08-12-1997
	80	5,656,033		Carey Joe Atkinson	08-12-1997
	81	5,660,477		Tooru Ichikawa	08-26-1997
	82	5,673,820		Thomas S. Green et al.	10-07-1997
	83	5,682,726		Philip G. Green et al.	10-07-1997
	84	5,693,018		Marshall S. Kriesel et al.	12-02-1997
	85	5,693,019		Marshall S. Kriesel	12-02-1997
	86	5,697,525		Daniel Joseph O'Reilly et al.	12-16-1997

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

OCT 16 2003

PTO/SB/08A  
PATENT & TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/620,890
				Filing Date	July 16, 2003
				Confirmation Number	8916
				First Named Inventor	Hal C. Danby
				Group Art Unit	3754
				Examiner Name	Unknown
Sheet	6	of	9	Attorney Docket No.	BXTW 11015

	87	5,700,245		Gregory E. Sancoff et al.	12-23-1997
	88	5,716,343		Marshall S. Kriesel et al.	02-10-1998
	89	5,720,728		Dixon A. Ford	02-24-1998
	90	5,722,957		Bernd Steinbach	03-03-1998
	91	5,728,086		John J. Niedospial, Jr.	03-17-1998
	92	5,730,165		Harald Philipp	03-24-1998
	93	5,735,818		Marshall S. Kriesel et al.	04-07-1998
	94	5,749,854		Chung-Shan Shen	05-12-1998
	95	5,766,150		Wolfram Langkau	06-16-1998
	96	5,785,688		Ashok V. Joshi et al.	07-28-1998
	97	5,836,482		Hermann Ophardt et al.	11-17-1998
	98	5,842,841		Hal Danby et al.	12-01-1998
	99	5,857,951		Tooru Ichikawa	01-12-1999
	100	5,964,583		Hal C. Danby	10-12-1999
	101	6,003,733		James R. Wheeler	12-21-1999
	102	6,024,252		Gene Frank Clyde	02-15-2000
	103	6,036,056		Kuo-Chou Lee et al.	03-14-2000
	104	6,062,425		Douglas S. Brown et al.	05-16-2000
	105	6,092,695		Herbert H. Loeffler	07-25-2000

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

OCT 16 2003

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

				<b>Complete if Known</b>	
				Application Number	10/620,890
				Filing Date	July 16, 2003
				Confirmation Number	8916
				First Named Inventor	Hal C. Danby
				Group Art Unit	3754
				Examiner Name	Unknown
<b>Sheet</b>	<b>7</b>	<b>of</b>	<b>9</b>	<b>Attorney Docket No.</b>	<b>BXTW 11015</b>

	106	6,096,358		Brian K. Murdick et al.	08-01-2000
	107	6,098,524		Robert J. Reese	08-08-2000
	108	6,116,460		Oh-Bok Kim et al.	09-12-2000
	109	6,139,531		Hal C. Danby	10-31-2000
	110	6,158,484		Wilfred E. Greenlee	12-12-2000
	111	6,167,683	B1	Chi Kin Wong	01-02-2001
	112	6,173,862	B1	Peter V. Buca et al.	01-16-2001
	113	6,186,361	B1	Charles F. Teetsel, III	02-13-2001
	114	6,189,736	B1	Iver J. Phallen et al.	02-20-2001
	115	6,213,738	B1	Hal Danby et al.	04-10-2001
	116	6,250,506	B1	Wendy Geiger et al.	06-26-2001
	117	6,253,968	B1	Jakob Van Dijk et al.	07-03-2001
	118	6,257,844	B1	Leif Einar Stern	07-10-2001
	119	6,296,450	B1	Tom Westberg et al.	10-02-2001
	120	6,332,564	B2	Tooru Ichikawa	12-25-2001
	121	6,345,734	B2	Stephan M. Schalow et al.	02-12-2002
	122	6,382,470	B1	Ruguo Hu et al.	05-07-2002
	123	6,398,760	B1	Hal C. Danby	06-04-2002
	124	6,419,121	B1	Jose Antonio Gutierrez et al.	07-16-2002
	125	6,505,758	B2	William J. Black et al.	01-14-2003
	126	6,516,997	B1	Takashi Tanazawa	02-11-2003

<b>Examiner Signature</b>		<b>Date Considered</b>	
---------------------------	--	------------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A

OCT 16 2003

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/620,890
Filing Date	July 16, 2003
Confirmation Number	8916
First Named Inventor	Hal C. Danby
Group Art Unit	3754
Examiner Name	Unknown

Sheet	8	of	9	Attorney Docket No.	BXTW 11015
-------	---	----	---	---------------------	------------

	127	6,527,518	B2	Michael H. Ostrowski	03-04-2003
	128	6,536,188	B1	Thomas D. Taggart	03-25-2003
	129	Des. 283,225		Darwin Canvasser	04-01-1986
	130	Des. 338,891		James E. Folk	08-31-1993

**FOREIGN PATENT DOCUMENTS**

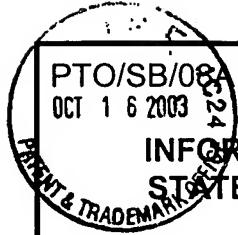
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)		
131	DE	2131554	A	Wilhelm Schönhöfer	12-28-1972	
132	EP	0 482 721	B1	Dennis Roland Zander et al.	09-13-1995	
133	GB	1 547 025		Thomae GmbH Dr. K	06-06-1979	
134	GB	2 098 963	A	Gerardus Johannes	05-25-1981	
135	JP	2001/139040	A	Shibata Takao	05-22-2001	
136	WO	81/02002	A1	Gosta Bostrom et al.	07-23-1981	
137	WO	95/25459	A1	Roland Charles Sayag	09-28-1995	
138	WO	03/038770	A2	Alfredo Con	05-08-2003	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08  
OCT 16 2003

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Complete if Known</i>	
(use as many sheets as necessary)				Application Number	10/620,890
				Filing Date	July 16, 2003
				Confirmation Number	8916
				First Named Inventor	Hal C. Danby
				Group Art Unit	3754
				Examiner Name	Unknown
Sheet	9	of	9	Attorney Docket No.	BXTW 11015

## **OTHER ART - NON PATENT LITERATURE DOCUMENTS**

SEARCHED REFERENCE INFORMATION		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.
	139	International Search Report for PCT/US 02/18631 dated 7/10/2002
	140	International Search Report for PCT/US 02/27984 dated 12/13/2002
	141	International Search Report for PCT/US 03/16020 dated 09/19/2003

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.